MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8

EE|RRND|WO-No|35|2016-17 TS.No. 30/16-17 dt. 11/5/16 Estd Cost: 25 lakhs.
AS No 6/5.5.16. Job Code No:- 016-16-000011

M. A. R. 57 (Rule 116)
Measurement Book
No. B

Head of Account: 14th finance 2015-16.

Name of the Work: Developments works for providing drinking water facility in Jalahalli Ward No 16.

366220

From ..... To .....

Name of Contractor of nature of Agency

Date of commencement of work The Technical Manager, K.R.I.D Ltd Bangalore.

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
	2	3	4	5	6	7	8
	1) Geophysical Investigation of Site for Sinking borewell for supply drinking water in the habitation either through the hard pump M.W.S. (or) P.W.S.S. by vertical electrical sounding Wenner (or) Schlumberger's method Complete as per instructions. Premeasurment recorded in Page No 366280 of this MB.					= 4 Nos	Rs= 7754.00
	2) Sinking borewell of 165mm dia clear with super duct Hycholic Rig of capacity 250 PSI & and above 900 cfm and above in all starts including over burden upto 250 mts fixing of Casing					@ 1938.40/-	

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurem
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	pipes, collers and caps with necessary cutting Complete as per Specifications.						
	a) Premeasurments recorded in Page No 366280 of this MB = 200 Rmt						
	0 - 50 =			@ 311.95		Rs= 62390-00 =	
	b) Premeasurments recorded in Page No 366280 of this MB = 200 Rmt						
	50 - 100 =			@ 411.00/-		Rs= 82200-00 =	
	c) Premeasurments recorded in Page No 366280 of this MB = 200 Rmt						
				@ 458/-		Rs= 91600-00 =	

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I No. .....
e of Work ..... From..... To.....
e of Contractor of nature of Agency .....
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366221

Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
	Number	Length	Breadth	Depth		
2	3	4	5	6	7	8
d) Premeasurment recorded in Page No 366281 of this MB = 200.00 Rmt						
@ 504.00/-						Rs= 100800.00
e) Premeasurments recorded in Page No 366281 of this MB = 190.00 Rmt						
@ 557/-						Rs= 105830.00
) Supply of ISI mark 163 mm nominal bore medium black ERW casing pipe 'B' class black electrical resistance continuous welded mid steel S with latest amendments if any in random length						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	& 4 to 7 mts Both ends thread Confirming Complete as per Specifications. Premeasurements recorded in Page No 366281 & this MB. = 145.00 Mts @ ~~160~~/- 1350/-						Rs 195750.00 =
	4) providing 175 mm dia ms Collar CE(m) BWSSB, Premeasurements recorded in Page No 366281 & this MB = 28 No's @ 150/-						Rs= 4200.00 =
	5) Providing 175 mm dia box cap CE(m) BWSSB Premeasurements recorded in page No 366282 & this MB = 4 No's @ 150/-						Rs= 600=00 =

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e	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
	2	3	4	5	6	7	8
	Supplying and delivery at site brand new Lemo/ Cmnoval/ Lum/ Sambav Atalanta/ Calarnal make Suitable for vertical installation in 150 mm Complete as per specifications Premeasurements recorded in Page No 366282 & this MB = 4 No's @ 59300/-						Rs= 237200.00 =
	Supplying and delivery & brand new FINOLEX make PVC insulated x copper conductor to latest Indian Standard specification. Complete. Premeasurements recorded in Page No 366282 & this MB = 2220 mm @ 100/-						Rs= 222000.00

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
8)	Erection of pumpset including aligning and balance with all necessary erection of materials and labour including supply and erection of one pair of supporting clamps borewell cap Cable clips with bolts nuts value Complete.						
1)	Near Metro Quaters 1)	1	–	–	–	= 1 No's	
2)	Near Ambedkar statchu 2)	1	–	–	–	= 1 No's	
3)	Infront of Govt school 3)	1	–	–	–	= 1 No's	
4)	Near Hmt Compound 4)	1	–	–	–	= 1 No's	
						4 No's	
				@ ~~3360~~ 1710/-		Rs 6840-00 =	
9)	Providing fixing in position 50mm nominal bore gun metal non-return valve horizontal type of approved						

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Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
	Number	Length	Breadth	Depth		
2	3	4	5	6	7	8
make including cost of materials, labour					Complete	as per Specification
1)	1	–	–	–	1 No's	
2)	1	–	–	–	1 "	
3)	1	–	–	–	1 "	
4)	1	–	–	–	1 "	
					4 No's	
) Supplying and fixing 50mm GI union				@ 1490/-		Rs= 5960-00 =
1)	1x3	–	–	–	= 3 No's	
2)	1x3	–	–	–	= 3 "	
3)	1x3	–	–	–	= 3 "	
4)	1x3	–	–	–	= 3 "	
					12 No's	Rs= 2684-00
				@ 223-20/-		=

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
11)	Supplying and fixing 50mm GI Elbow Complete the work.						
		1)	1x4	–	–	=	4 NO's
		2)	1x4	–	–	=	4 "
		3)	1x4	–	–	=	4 "
		4)	1x4	–	–	=	4
							16 NOs
				@	111.80/-		Rs= 1789.00
12)	Supplying and fixing 50mm GI Nipple.						
		1)	1x5	–	–	=	5 NO's
		2)	1x5	–	–	=	5 "
		3)	1x5	–	–	=	5 "
		4)	1x5	–	–	=	5 "
							20 NOs
				@	104.30/-		Rs= 2086.00

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Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
	Number	Length	Breadth	Depth		
2	3	4	5	6	7	8
3) Supplying and fixing 50mm GI collar Complete the work.						
	1)	1x37	–	–	–	37 NO's
	2)	1x37	–	–	–	37 "
	3)	1x37	–	–	–	37 "
	4)	1x37	–	–	–	37 "
						148 00 NO's
			@	111.80/-		Rs= 16546.00
) Supplying and delivery at site brand new Star/ ESSeo/ Lotey/sun shimmes/ Adarsh/ GK condo ells best indigenous make combined energy meter cum control panel board unit of size &						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	1200×600×350 mm minimum, mechanically complete to Work.						
	1)	1	–	–	–	= 1 No's	
	2)	1	–	–	–	= 1 "	
	3)	1	–	–	–	= 1 "	
	4)	1	–	–	–	= 1 "	
						4 No's	
			@ 6630/-				Rs= 26520.00
15)	Providing and fixing in trenches galvanised/mild Steel tubes 50mm dia nominal bore with all fitting including cost & all materials, labour charges complete ftowork						
	1)	1	225	–	–	= 225.00 mts	
	2)	1	225	–	–	= 225.00 "	
	3)	1	225	–	–	= 225.00 "	
	4)	1	225	–	–	= 225.00 "	
						900.00 mts	
				@ 431/-			Rs= 387900.00

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Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
	Number	Length	Breadth	Depth		
2	3	4	5	6	7	8
Erection of Combined Panel board and meter unit with necessary materials and labour including providing Cement Concrete foundation bed Complete						
1)	1	–	–	–	1 No's	
2)	1	–	–	–	1 "	
3)	1	–	–	–	1 "	
4	1	–	–	–	1 "	
					4 No's	Rs= 1700.00
			@ 425/-			
Supplying & TPST with reversible proclain channels 32 amps						
1)	1	–	–	–	1 No'	
2)	1	–	–	–	1 No'	
3)	1	–	–	–	1 No'	
4)	1	–	–	–	1 No'	
					4 No's	Rs= 5440.00
			@ 1360/-			

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
18)	Supplying and fixing 20"x20"x2.5" polished wood board made up not less than 15mm thick plank Complete to work.						
	1)	1	—	—	—	1 Nos	
	2)	1	—	—	—	1 Nos	
	3)	1	—	—	—	1 Nos	
	4)	1	—	—	—	1 Nos	
						4 Nos	
			@	285/-		Rs.	1140.00
19)	Supplying and fixing LED Type panel board Complete						
	1)	1	—	—	—	= 1 Nos	
	2)	1	—	—	—	= 1 "	
	3)	1	—	—	—	= 1 "	
	4)	1	—	—	—	= 1 "	
						4 Nos	
			@	355/-		Rs.	1420.00

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Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
	Number	Length	Breadth	Depth		
2	3	4	5	6	7	8
Wiring for lighting power circuit using one 1100V grade multis and copper Conducted single Core cable Complete as per specifications						
1)	1	35	—	—	= 35.00 mtr	
2)	1	35	—	—	= 35.00 "	
3)	1	35	—	—	= 35.00 "	
4)	1	35	—	—	= 35.00 "	
					140.00 mtr	
		@	30/-		Rs.	4200.00
Supplying Shunt Capacitor Confirming to IS 2834-3 phase 400/440 volts Grade for power factor improvement to rotating mechanary Capasitor Complet as per specifications						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	1)	1	3	–	–	= 3 Nos	
	2)	1	3	–	–	= 3 "	
	3)	1	3	–	–	= 3 "	
	4)	1	3	–	–	= 3 "	
						12-00 Nos	
				@ 120/-		Rs- 1440-00	
22)	Supplying and fixing miniate Circuit brekers of exing MCB distrubution boards complete as per Specifications						
	1)	1	–	–	–	= 1 Nos	
	2)	1	–	–	–	= 1 "	
	3)	1	–	–	–	= 1 "	
	4)	1	–	–	–	= 1 "	
						4 Nos	
				@ 1005/-		Rs 4020-00	

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Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
	Number	Length	Breadth	Depth		
2	3	4	5	6	7	8
) Supplying and fixing, wiring earth electrode for grounding Conduits. LC cutouts and other equipments on the meter board Complete as per Specifications						
1)	1	–	–	–	= 1 No	
2)	1	–	–	–	= 1 "	
3)	1	–	–	–	= 1 "	
4)	1	–	–	–	= 1 "	
					4 No's	
			@ 1950/-		Rs- 7800.00	
) Supplying and fixing class A GI pipe of wall thickness not less than 3.25mm on pole / wall / drain crossing with necessary clamping Complete the work.						

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Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	1)	1	4	—	—	= 4 mts	
	2)	1	4	—	—	= 4 "	
	3)	1	4	—	—	= 4 "	
	4)	1	4	—	—	= 4 "	
				@	240/-	16 mts Rs.	3840.00 =
25)	Supplying g LTUG Cable having aluminium Conductor PVC insulated, glavanised steel wire Complete to work						
	1)	1	30	—	—	= 30 mts	
	2)	1	30	—	—	= 30 "	
	3)	1	30	—	—	= 30 "	
	4)	1	30	—	—	= 30 "	
				@	160/-	120.00 mts Rs.	18000.00 =

Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
26) Labour Charges for laying g 1.1 kV class LTG grade Cable 6 Sq mm to 16 Sq mm						
1)	1	30.00	—	—	= 30.00 mts	
2)	1	30.00	—	—	= 30.00 "	
3)	1	30.00	—	—	= 30.00 "	
4)	1	30.00	—	—	= 30.00 "	
					120.00 mts Rs.	960.00
27) Digging g Stenches g 0.60 x 0.300 mm @ 8/- wide refilling the Stench to the required ground level, Consolidating etc Complete						
1)	1	30.00	—	—	= 30.00 mts	
2)	1	30.00	—	—	= 30.00 "	
3)	1	30.00	—	—	= 30.00 "	
4)	1	30.00	—	—	= 30.00 "	
			@	60/-	120.00 mts Rs.	7200.00 =

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
28)	Supplying and fixing 1.1 KV class UG Cable	LT cost iron pot heads suitable for filled Complete as per spafications					
		1) 1	—	—	—	= 1 Nos	
		2) 1	—	—	—	= 1 "	
		3) 1	—	—	—	= 1 "	
		4) 1	—	—	—	= 1 "	
						4 Nos	
		@ 260/-				Rs 1040.00	
29)	Supplying Procelin fuse channel with cutouts						
		1) 1	3.00	—	—	= 3.00 mts	
		2) 1	3.00	—	—	= 3.00 "	
		3) 1	3.00	—	—	= 3.00 "	
		4) 1	3.00	—	—	= 3.00 "	
						12.00 Mts	
		@ 100/-				Rs 1200.00	

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Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
	Number	Length	Breadth	Depth		
2	3	4	5	6	7	8
) Bescom deposit charges						
	1) 1	—	—	—	= 1 No's	
	2) 1	—	—	—	= 1 "	
	3) 1	—	—	—	= 1 "	
	4) 1	—	—	—	= 1 "	
	As per Actual Rs-9380-00				4 No1	37,280-00
					Rs=	60,000.00
) Earth excavation for foundations of buildings, water supply, sanitary lines and electical conduits either in pits @ 150/-						
premearment recorded in page no 366283 of this MB						
					= 810.00 m³	
					@ 288.26/- Rs=	233572.00

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
33)	Refilling available earth around pipelines, Cables, in layers not exceeding 20 cms in depth, Compacting each deposited layer by ramming watering Complete as per Specifications						
	Qty vide Item No (31)				=	810.00 m³	
	@ 77.76/-					Rs= 62986.00	
32)	Supplying PVC ring-tite Pipe Confirming to IS 4985 with latest abenchmarks and Conveying to Work Site Jolting and lowering into Trenches Complete the Work.						
	Premeasurment recorded in Page No 366284 of this MB						
					=	1500.00 Rm	
	@ 74/-					Rs= 111000.00	

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Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
	Number	Length	Breadth	Depth		
2	3	4	5	6	7	8
4) Providing and fixing in position brass gatevalve with CI wheel of approved quality 15mm nominal bore Complete the work.						
1) Near Mehe Quaters	1 x 4	–	–	–	= 4 Nos	
2) Near Ambedkar Statue	1 x 4	–	–	–	= 4 "	
3) In front of Govt School	1 x 4	–	–	–	= 4 "	
4) Near Hmt Compound	1 x 4	–	–	–	= 4 "	
					16 Nos	Rs= 32000.00
			@ 2000/-			
			20,96,807		Total =	2119607.00
	11%	KRIDL Charges				275000.00
		2,30,649/-			G. Total	2394607.00
		23,27,456-00				

P.T.O.

MEASUREMENT BOOK

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurem 8
						Total 2119607.00	
		11% KRIDL Charges =				275000.00	
						Grand Total: 2394607.00	
	Verified ... 5/11/16						
	Total Rs. 20,90,807=00						
	2,36,649=00						
	Grand Total Rs/ 23,27,456=00						

Verified
ಸಹಾಯಕ ಕಾರ್ಯನಿರ್ವಾಹಕ ಅಭಿಯಂತರರು
ಯಶವಂತಪುರ ಉಪ ವಿಭಾಗ
ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ